NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
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The Trust is a Recipient of Prestigious Rajyotsava State Award 2012 Conferred by the Govt. of Karnataka
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RAPID-SHARE

"A Knowledge Granary"

A Monthly Newsletter from Department of Master of Computer Applications

Volume No.:3, Issue No.: 6, 7   June, July 2017

Message from Head,

Welcome to the June/July 2017 edition of RAPID-SHARE!. This exciting edition of June/July 2017 month showcases the FDP & MDP report, Training Program report, Article, Report on Graduation Day, MIS Reports for the Month of June/July 2017 , R&D Publications of our Faculty Members, Synonyms and Antonyms.

Dr.V.Ilango
Head, Professor- MCA, NHCE

Stay Connected with RAPID-SHARE

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Message from Editor

The RAPID-SHARE newsletter is just one of the tools of this MCA Course o connect to our students. It is aimed at all students with an interest in maintaining unity & integrity and hopefully will be able to learn something new and share their experiences and expertise. Each issue will have a focus, and this issue focuses on FDP & MDP report, Training Program report, Article, Report on Graduation Day, MIS Reports for the Month of June/July 2017 , R&D Publications of our Faculty Members, Synonyms and Antonyms.

Prof.S.P. Sreeja
Sr. Asst.Professor-MCA, NHCE

Why Rapid - Share?
The **Rapid-Share** Newsletter is published every month for exhibiting the current trends in ICT via staff, students and alumni and various activities of our MCA Department. Igniting the younger minds with Knowledge Granary.

In this Issue....

Latest Updates...
3rd and 5th Semester MCA Classes commenced from **7th August 2017**.

VISION OF NHCE

To achieve total quality in education and excellent knowledge management through specific, measurable, attainable, relevant, time – bound goals and continuous improvement methods.

MISSION OF NHCE

To mould our students into a holistic personality accomplished in emotional, moral, intellectual, social and mental capabilities besides inculcating a capacity for critical and lateral thinking.

GOAL OF NHCE

To adhere to the reputation of being able to channel our human resources and guide the transformation process of every individual's dream into a reality.

QUALITY POLICY OF NHCE

To provide education services of the highest quality both curricular and co-curricular so that our students can integrate skills and serve industry and society equally well at the Global level.

VISION OF MCA DEPARTMENT

To impart quality education and knowledge, necessary to transform students from novice to professional in the field of IT and ITES with a research–oriented approach

MISSION OF MCA DEPARTMENT

To nurture students with a holistic approach, to inculcate knowledge, expertise and attitude with the ability to think critically, rationally and innovatively

QUALITY POLICY OF MCA DEPARTMENT

To impart excellence in the art of education both curricular and co-curricular, as a result of which our students learn to blend technical proficiency and humanity in serving the industry and society equally well at the global level

Impact of Artificial Intelligence in Digital Transformation

A One Day Domain Specific Faculty Development program on "*Impact of Artificial Intelligence in Digital Transformation*" was organized by the Department of Computer Applications on **25-7-2017**.

Dr.Girija Srinivasalu , Head , New Horizon Quality Assurance and Skill Development Cell , New Horizon Educational Institutions inaugurated this FDP programme. **Dr.V.Ilango ,** Head & Professor , Department of MCA presided over the function and proposed the Welcome Address.

Forenoon Session was handled by the Resource Person **Mr. Philip Varughese**, VP Analytics, Accenture in his resource talk presented the transformation and digital revolution journey from Industrial Revolution to Analytics, BigData, Artificial Intelligence, Cloud Computing, Robotics and Automation.

During the session, he also presented the various industrial case studies, use-cases and innovations. The case studies included the impact of Digital Transformation in our day to day life to large industry and business houses. Philip has showcased the examples of the opportunities in Analytics, Digital Transformation and Artificial Intelligence in various domains, verticals including Customer Experience, Fraud Detection, Risk Analytics etc.

He has also briefed the job & employment opportunities in Artificial Intelligence and Digital Transformation. He has shared a brief on various Open Source technologies for doing Artificial Intelligence and Digital Transformation. Afternoon Session was handled by **Mr. Sunil Kumar Govindan**, DB2 DBA - Z/OS, IBM on "A glimpse into mainframe and its database". He covered the topics such as "

The hidden but wide application of mainframe services in our day to day life, Meaning of mainframe and the extent of its computing capabilities, Mainframe customers and their need to continue with mainframe, Different workloads of mainframe with illustrations, Roles in a mainframe ecosystem, What is DB2 and Why DB2, Various objects within DB2, Introduction to DB2 Utilities, Some basic commands in DB2, What is SQL with an example and Introduction to Data Analytics - the objectives and Stages.

Dr.V.Asha, Associate Professor coordinated the program. **Mr.Krishnachandra.M** and **Mr.Govindaraj**, provided technical support.

MCA GRADUATION DAY 2017

MCA Department of New College of Engineering, an autonomous institution, affiliated to VTU celebrated its graduation day on **22nd July , 2017** at Chanakya Seminar Hall with the dignitaries, staff, students and their parents. The Chief Guest for the Graduation Ceremony was **Sri. Srinivasa Ramanujam,** Academic Education Partner & Chief Executive, TCS , Bangalore.

The Chief Guest in his address congratulated the students, management and faculties for their untiring efforts in converting the heterogeneous group of undergraduate students into MCA Professionals. He also appreciated the college for having very renowned academicians and for growing progressively. The chief guest also advised students to adopt, learn and share new tools and techniques and be a good human being. He also insisted that everyone must work with unity for maintaining a balance between their professional and personal lives.

Dr.Manjunatha, Principal in his presidential address advised the students to learn the new technologies on regular basis for their survival. Also he motivated the graduates by putting their efforts to become as entrepreneurs and develop new products for the welfare of the society via which they can become as jobs providers rather than job seekers.

The College conferred the Medal, Cash Award and Memento for the overall topper **Ms. Sathya** in the stream of Master of Computer Applications.

The dignitaries released the first copy of the frequently asked interview questions with answers for various subjects in book format written by the faculty members of MCA Department which is an unique initiative taken for employability enhancement of MCA students. This book mainly focused on the basic concepts of the various platforms in the field of computer science and information technology with objective and descriptive type interview questions and answers. It's a remarkable achievement done by the faculty team of MCA department for the training and placement welfare of the MCA student fraternity.

Dr. V.Ilango , Professor , Head of the Department of MCA proposed the welcome address, and mentioned that the highlights of the year 2017-2018, and congratulated the graduates for the successful completion of their degree. **Dr.V.Asha** , Professor delivered the vote of thanks.

Student volunteers **Mr.G.Praveen Kumar** and **Ms.Riji Anandan** anchored the entire programme.

Research Design and Analysis Using R

Department of Management Studies & Research and Development, NHCE in Collaboration with New Horizon Quality Assessment & Skill Development Centre, NHE Conducted Two days Management Development Program on Research Design And Analysis By Using R on 18th & 19th July, 2017. Mr. Shankar M Mepparambath, is the MDP facilitator who is a MBA (Marketing) from at University of Madras. Currently he started his own venture in the name of CARES, which focus on Research, Consultancy and training. All our faculty members attended this program.

The main focus was **About R in Research:** R is an extremely flexible statistics programming language and environment that is Open Source and freely available for all main-stream operating systems. The flexibility of R is arguably unmatched by any other statistics program, as its object-oriented programming language allows for the creation of functions that perform customized procedures and/or the automation of tasks that are commonly performed. R is an extremely powerful programming language for statistical computing and graphics generation. Its flexibility, extensibility, and no cost have contributed to R's wide use in academic environments and among statisticians. R is a good choice for large or small statistical projects.

Objectives:

1) To make participants self-reliant in research process and data analysis.
2) To provide in-depth knowledge in data analysis using R

3) To provide hands on experience for Documentation and Presentation using R Markdown.

The Program Co-ordinators were Drr. Aradhna Yadav, Sr. Asst, Prof., Dept of Management Studies &Ms. Sudha Malwin, Program Executive, QASDC

Hewlett Packard Enterprise has offered faculty training at our college:

Topic: Hewlett Packard Enterprise Big Data & Data Analytics training
Resource Person: Mr. Kushwant, HPE

Training duration : 10th-14th July 2017
Timings : 9am to 5pm
Venue : Big Data Lab, 1st Floor, Nethaji Block
Topics Covered:
1) Introduction to HP Vertica database and features
2) Practical concepts on creating Projections
3) Monitoring and managing vertica database using Management Console

Faculties Attended from MCA department: Ms. B Nithya Ramesh, Ms.Jincy Mathew, Ms. Kavitha S N

Faculty training offered at our college:

Topic: Fundamentals of Big Data and Data Warehouse
Resource Person: Mr. Prinshu, Prwatech

Duration: 20th July'17 to 22nd July 2017
Timings : 9am to 5pm
Venue : Big Data Lab, 1st Floor, Nethaji Block

Topics Covered:
1) Introduction to SQL
2) ETL Fundamentals
3) Big Data Analytics with Hadoop
Faculties Attended from MCA department: Ms. B Nithya Ramesh, Ms.Jincy Mathew, Ms. Kavitha S N

Topic: Predictive Analytics in Health Care Using Machine Learning Tools and Techniques

Authors:
B Nithya, Senior Assistant Professor & Research Scholar, NHCE
Dr. V Ilango, Professor and Head, MCA, NHCE

Conference name:
International Conference on Intelligent Computing and Control Systems (ICICCS 2017)
Technical Sponsors: IEEE, IEEE Computer Society
Venue: Vaigai College of Engineering, Madurai, Tamilnadu, India
 Date: 15th and 16th June 2017

Tech getting involved in Health Care!!! (e-Health).

The term "e-health" was born in 1999 to represent the provision of healthcare services through Internet, and was heavily promoted by the industry and commercial sectors in order to take advantage of the power and excitement that other "e-" terms like e-commerce and e-business had recently created in society. One of the main objectives of technology in healthcare is achieving the interoperability of medical information systems and Electronic Health Records, by creating a common middleware for delivering healthcare services and also collaborative platforms or a rostrum to improve cooperation between different disciplines in the healthcare domain.

There are five main ways where technology can get into Health care domain they are Crunching data to offer a better diagnosis and treatment,helping doctors communicate with patients, linking doctors with other doctors, connecting doctors and patients and Helping patients stay healthy but this is possible only when technology plays a vital role for proposed health care reform to contain costs, improve access, and save lives. A key part of health care reform involves the use of technology to address a number of issues such as access, value, and cost.

There are ten main technological advancements in healthcare that have emerged over the last ten years. The electronic health record, Mobile health, Telemedicine/telehealth, Portal technology, Self-service kiosks, Remote monitoring tools, Sensors and wearable technology, Wireless communication, Real-time locating services and genome sequencing.

The electronic health record provides solution where Physicians go to medical school and residencies, but each organization has its own unique ways they do things. That's one of the reasons we see varied care all over the world. When data is what we're making decisions of, that's going to change and improve outcomes of the consistency of medicine delivered. Mobile health is freeing healthcare devices of wires and cords and enabling physicians and patients alike to check on healthcare processes on-the-go. Smartphones and tablets allow healthcare providers to more freely access and send information. Physicians and service providers can use Mobile Health tools for orders, documentation and simply to reach more information.Studies consistently show the benefit of telehealth, especially in rural settings that do not have access to the same resources metropolitan areas may have. Patients are increasingly becoming active players in their own healthcare, and portal technology is one tool helping them to do so. Portal technology allows physicians and patients to access medical records and interact online.

portal technology can be a source of empowerment and responsibility for patients. It's powerful because a patient can be an extraordinary ally in their care. They catch errors, and It empowers the patient and adds a degree of power in care where they can become an active participant. Similar to portal technology, self-service kiosks can help expedite processes like hospital registration. Patients can increasingly do everything related to registration without having to talk to anyone and automated kiosks can assist patients with paying co-pays, checking identification, signing paperwork and other registration requirements. The wearable medical device market is growing at a compound annual growth rate of 16.4 percent a year, according to a Transparency Market Research report. Wearable medical devices and sensors are simply another way to collect data, and it is one of the aims and purposes of healthcare. Another growing data monitoring tool, real-time locating services, are helping hospitals focus on efficiency and instantly identify problem areas. Hospitals can implement tracking systems for instruments, devices and even clinical staff and these services gather data on areas and departments that previously were difficult to track.

In Conclusion, healthcare technology is going to computerization and there is no stopping it. We are in an era where computers are an important part of daily life not just in the healthcare field. Learning how to use computers and their software is crucial for survival. Technology has been transforming health care industry. This dissertation investigates the use of technology by health care providers and patients as well as its outcomes. People are increasingly using the Internet to access health information and the information obtained has an impact on their health care outcomes.

Abdul AfsarBaig W
5th Semester, MCA

SYNONYMS

exactly	precisely
except	apart from
to expire	to run out
to explode	to blow up
extra	additional

ANTONYMS

here	there
heavy	light
height	depth
hero	coward
hill	valley

FACULTY PUBLICATIONS

1. Dr.V.Asha – IJCRD-Unsupervised Method of Identification and Extraction of Camouflaged Objects in Syntetic Textures And Comparision of Test Result
2. Mrs. Kavitha S N-IJCRD- Graph Analytics for Big Data
3. Mrs.B.Nithya Dr.V.Ilango-(ICICCS 2017) Vaigai College of Engineering, Madurai, Tamilnadu, India- Predictive Analytics in Health Care Using Machine Learning Tools and Techniques
4. Dr.R.Chinnaiyan, G.Sabarmathi - (ICICCS 2017) Vaigai College of Engineering, Madurai, Tamilnadu, India - Investigations on Big Data Features Research Challenges and Applications
5. Dr.R.Chinnaiyan -(ICICCS 2017) Vaigai College of Engineering, Madurai, Tamilnadu, India - Reliability Assessment of Component Based Software Systems using Basis Path Testing
6. Dr.R.Chinnaiyan , R.Divya - (ICICCS 2017) Vaigai College of Engineering, Madurai, Tamilnadu, India - Reliability Estimation of Wireless Sensor Networks

STUDENT PUBLICATIONS

Abhishek Kumar - (ICICCS 2017) Vaigai College of Engineering, Madurai, Tamilnadu, India - Reliability Assessment of Component Based Software Systems using Basis Path Testing

WORKSHOP ATTENDED BY FACULTIES

Mr. Govindraj, Mr. Viswanatha C R, Mrs. Kavitha S N of MCA Department on 17.07.2017, conducted by Mr.Gowtham, System Architect, from Adobe Systems

Contribute to Rapid-Share

We invite all MCA students and faculty members to contribute articles to the subsequent issues of Rapid-Share. The articles can be either technical or general depending upon your field of interest. All submissions have to be under 500 words. Please send your articles to e-mail address (see front page) with your name, department, year of study (designation in case of faculty members).If you want your achievements and activities to be highlighted in this newsletter, please get in touch with your respective faculty and student coordinators (see front page).

Feedback

The Editorial Board requests all readers to provide their valuable feedback regarding the content and design of the newsletter. New ideas regarding columns and content will be appreciated.

Disclaimer

Utmost care has been taken while developing content for the newsletter. Any incorrectness of data or information is purely in advertent and incidental. All contributions could not be accommodated due to space constraints and other factors. All contributions are in our database and we will try to incorporate them in future issues. The Editors also wish to inform the readers that this newsletter for internal circulation only.